



WHARFEDALE SYSTEMS DIVISION

## PROGRAMME SERIES LOUDSPEAKERS USER MANUAL PROGRAMME 1, 1LT

**1. READ INSTRUCTIONS** carefully before operating this product.

**2. RETAIN** these instructions.

**3. COMPLY WITH WARNINGS** - All warnings and instructions for this product should be adhered to.

**4. USE WITH AMPLIFIERS** - In order to avoid damage, it is advisable to establish and follow a pattern for turning on and off any sound system. With all system parts connected, turn on source equipment, tape decks, instruments, mixers, signal processors etc., BEFORE turning on your power amplifier. Many products output turn on and turn off transients that can damage speakers. By turning on your power amplifier LAST and making sure the amplifier's input controls are at minimum any transients "upstream" of the amplifier are not amplified and passed to the speaker. Wait until all system parts have stabilised, then bring up amplifier controls to operating level. This should take no more than a few seconds. Similarly when shutting systems down, always turn down amplifier input controls and then turn off your amplifier BEFORE shutting down other components. Professional amplifiers often feature delayed turn on/off circuits to perform these functions for you automatically.

**5. CABLES** - Never use shielded or microphone cable for any speaker connection as this will not be heavy enough to handle the amplifier load and could cause damage to the complete system.

### **6. ⚠️ RIGGING • SUSPENDING • MOUNTING**

The rigging, suspension or mounting of this speaker system can expose members of the public to serious health risks and even death. UNDER NO CIRCUMSTANCES ATTEMPT TO RIG, SUSPEND OR OTHERWISE MOUNT THIS SYSTEM UNLESS YOU ARE FULLY QUALIFIED AND CERTIFIED TO DO SO BY RELEVANT LOCAL, STATE AND NATIONAL AUTHORITIES. ALL RELEVANT SAFETY REGULATIONS MUST BE FOLLOWED. IF YOU ARE NOT PROPERLY QUALIFIED OR DO NOT KNOW OF PERTINENT REGULATIONS, CONSULT QUALIFIED PERSONNEL FOR ADVICE AND ASSISTANCE.

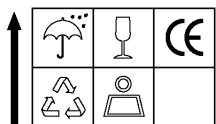
**7. ⚠️ CAUTION:** These professional loudspeaker systems are capable of generating very high sound pressure levels. Use care with placement and operation to avoid exposure to excessive levels that can cause permanent hearing damage.

**8. SERVICING** - The user should not attempt to service this product except that mentioned in this manual.

### Programme 1 & 1LT Professional Sound Reinforcement Loudspeakers

- Proprietary designed, high efficiency, high power Wharfedale Professional drive units
- Sophisticated crossover design enables smooth power and frequency response control through crossover region.
- Integral High Frequency Driver Overload protection "PRO-TECH"™
- 100mm full range drive unit with copper clad magnet poles
- High power output, low distortion sound quality

- 100 volt ine system with switchable power tapping on Programme 1LT
- Wall bracket included constructed in powder coated steel and adjustable on three planes.
- Constructed from Mineral Loaded Polypropylene
- Available in black or cream (finish is paintable)
- Small compact size



#### **Unpacking**

All Wharfedale Systems products are fully checked before leaving the factory. After unpacking please inspect cabinets for any physical damage. Please retain the shipping

carton if possible and internal packing material in case the unit needs to be returned. Please check as soon as possible the unit is functioning. In the event of any damage please contact your dealer immediately so that a written claim for damages can be made.

#### **Wharfedale Systems Limited Warranty\***

In the event of malfunction, contact your authorised Wharfedale Professional dealer or distributor for information.

\*Be aware that warranty details may differ from country to country. Contact your dealer or distributor for information. These terms do not infringe your statutory rights.

#### **Operating/Use**

1. The Programme 1 & 1LT accept stripped bare end cables. The Programme 1 has a push and clip connector at the rear of each cabinet. The 1LT features a barrier strip.
2. Attach the speaker cable securely to your Programme Series unit and power amplifier (the amplifier should be **off, power down mode**). Try to use the correct type of speaker cable according to the handling ability of your Programme Series Cabinet. Use 2 core equal stranded insulated cable for speaker runs. It is always advisable to use heavier conductor cables on longer runs.
3. Power up amplifier with levels on zero. Confirm units are operating.



# PROGRAMME 1 & LT LOUDSPEAKER



**APPLICATION:** Wharfedale Pro Programme 1 & LT series of foreground/background music speakers designed for demanding professional applications such as the reproduction and reinforcement of music and sound in venues as diverse as airports, places of worship, retail premises, restaurants and public houses.

**DESCRIPTION:** Programme 1 & LT Black Two-way 100mm full range acoustically-efficient enclosure.

**DEPLOYMENT:** The Programme 1 & LT can be mounted in a vertical or horizontal position using the mounting bracket hardware. All models have been designed for table-top or bookshelf installation or, with the use of special accessories they can be installed on the wall or Ceiling mounted.

PROGRAMME 1 & LT SERIES TECHNICAL SPECIFICATION		
MODEL	Program 1	Program 1LT
Drive Units	100mm full range	100mm full range
Power Handling RMS/Music	30W/ Optimum 50W	30W/ Optimum 50W
Nominal Impedance	6 Ohms	100V Line
Power Taps	NA	0.6W, 1.25W, 2.5W, 5.0W, 10.0W
SPL Peak	-	-
Sensitivity	87dB @ 1m/2.83v	88dB @ 1m/2.83v
Enclosure Type	Ported	Ported
Frequency Response	100Hz-15kHz	100Hz- 15kHz
Weight (Single Unit)	1.1kg/2.42lbs	1.4kg/3.08lbs
Mounting	Bracket included	Bracket included
Terminals	Spring Clip	M3 Screw Block
Dimension (mm & ins) H x W x D	165x142x122mm 6.5x5.6x4.8"	165x142x137mm 6.5x5.6x5.4"
Cabinet Finish	Mineral Loaded Polypropylene	Mineral Loaded Polypropylene

**IMPORTANT NOTE** See Warning Section on **RIGGING • SUSPENDING • MOUNTING** before attempting to install Wharfedale Pro Programme 1 & LT series of speakers. Optional Brackets are available from Wharfedale Pro.

**HIGH- IMPEDANCE/CONSTANT-VOLTAGE SYSTEM:** The Programme 1LT features an internal line-matching transformer with five power/impedance selections for 100 volt line. In speaker systems anything over 32Ω is considered high impedance. Use of constant-voltage distribution in installation increases the impedance to the desired level at the speaker location. With the line impedance well above the nominal speaker impedance, power loss in long speaker lines is minimised. Smaller wire can be used without excessive power loss. The five switchable power tapplings are 0.6W, 1.25, 2.5, 5.0 and 10 watts accessed through an external connecting block at the rear of the cabinet.



**WHARFEDALE SYSTEMS DIVISION**

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